

# 3 CENTRE COLLECTOR E-LINE 'SM'

Centre Collector E-line SM NPN Darlington

ZETEX SEMICONDUCTORS

Type	V <sub>CB0</sub> V	V <sub>CEO</sub> V	Max. Cont. I <sub>c</sub> mA	Max. V <sub>CE(sat)</sub> at			h <sub>FE</sub> at			Max. I <sub>CB0</sub> at nA	P <sub>tot</sub> at T <sub>amb</sub> = 25°C mW	
				V	I <sub>c</sub> mA	I <sub>B</sub> mA	Min.	Max.	I <sub>c</sub> mA			
FXT601BSM	180	160	1000	1.2	1000	10	2k	100K	500	100	160	1000
FXT605SM	140	120	1000	1.5	1000	1	2k	100k	1000	100	120	1000
FXT603SM	100	80	1000	1.0	1000	1	2k	100k	1000	100	80	1000
FXT38CSM	80	60	1000	1.25	800	8	10k	—	500	100	60	1000

Centre Collector E-line SM High Voltage Transistors

Type	V <sub>CB0</sub> V	V <sub>CEO</sub> V	Max. I <sub>c</sub> mA	Max. V <sub>CE(sat)</sub> at			h <sub>FE</sub> at			Max. I <sub>CB0</sub> at μA	P <sub>tot</sub> at T <sub>amb</sub> = 25°C mW	Complement	
				V	I <sub>c</sub> mA	I <sub>B</sub> mA	Min.	Max.	I <sub>c</sub> mA				
<b>NPN</b>													
FXTA42SM	300	300	500	0.5	20	2.0	40	—	10	0.10	200	680	FXTA92SM
<b>PNP</b>													
FXTA92SM	300	300	500	0.5	20	2.0	40	—	10	0.25	200	680	FXTA42SM

Centre Collector E-line SM Switching Transistors

Type	V <sub>CEO</sub> V	Max. I <sub>c</sub> mA	Max. V <sub>CE(sat)</sub> at			h <sub>FE</sub> at			Min. F <sub>T</sub> at MHz	Max. switching times at			Complement	
			V	I <sub>c</sub> mA	I <sub>B</sub> mA	Min.	Max.	I <sub>c</sub> mA		t <sub>on</sub> ns	t <sub>off</sub> ns	I <sub>c</sub> mA		
<b>NPN</b>														
FXT2222ASM	40	800	1.0	500	50	100	300	150	300	20	35	285	150	FXT2907ASM
FXT3904SM	40	200	0.2	10	1	100	300	10	300	10	70	250	10	FXT3906SM
FXT2222SM	30	800	1.6	500	50	100	300	150	250	20	35	285	150	FXT2907SM
<b>PNP</b>														
FXT2907ASM	60	600	1.6	500	50	100	300	150	200	50	50	110	150	FXT2222ASM
FXT3906SM	40	200	0.25	10	1	100	300	10	250	10	70	300	10	FXT3904SM
FXT2907SM	40	600	1.6	500	50	100	300	150	200	15	50	110	150	FXT2222SM

Centre Collector E-line SM Mosfets

Part Number	BV <sub>OSS</sub> V	I <sub>D</sub> mA	I <sub>DM</sub> A	V <sub>GS(th)</sub> at I <sub>D</sub>			Ω at Max.	R <sub>D(Sion)</sub> I <sub>D</sub> mA	V <sub>GS</sub> V	P <sub>D</sub> W
				V Min.	Max.	I <sub>D</sub> mA				
<b>N Channel</b>										
ZVN4206C	60	600	8	1.3	3	1	2	1000	10	0.7
<b>P Channel</b>										
ZVP2106C	60	280	4	1.5	3.5	1	5	500	10	0.7